

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012585.D
 Acq On : 14 Feb 2023 13:47
 Operator : KP/MD
 Sample : 01539-16
 Misc : 2.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-64

Quant Time: Feb 15 01:27:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	147163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114793	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89535	47.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.680%
35) Dibromofluoromethane	7.716	113	72283	40.571	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.140%
50) Toluene-d8	10.179	98	289365	39.020	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.040%
62) 4-Bromofluorobenzene	12.483	95	97301	37.617	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.240%

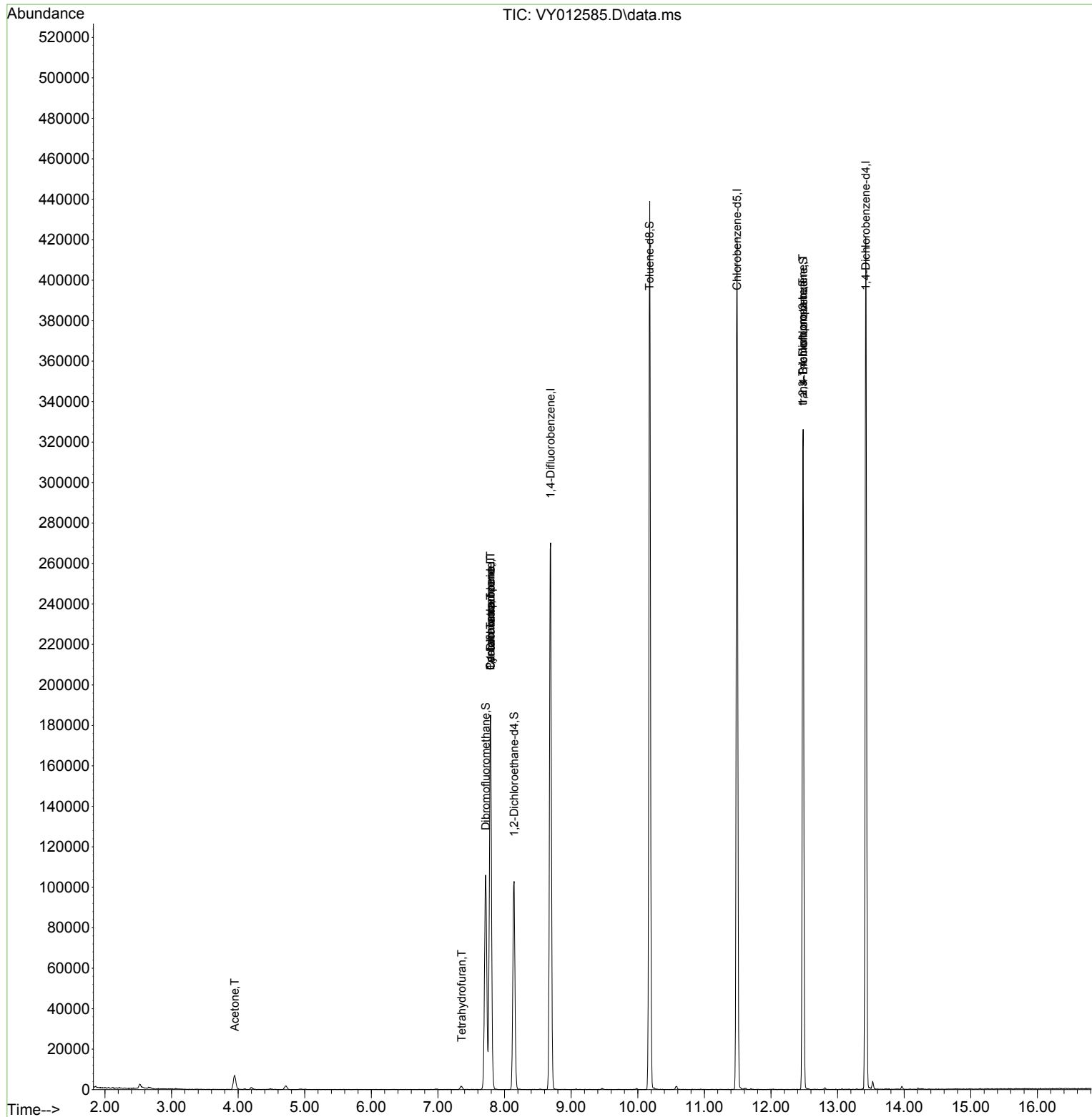
Target Compounds					Qvalue	
5) Bromomethane	2.656	94	239	Below Cal	#	69
11) Tert butyl alcohol	4.966	59	562	Below Cal	#	75
16) Acetone	3.948	43	12279	27.262	ug/l	97
20) Methylene Chloride	4.710	84	1622	Below Cal	#	85
29) Tetrahydrofuran	7.356	42	1084	4.012	ug/l	92
31) Cyclohexane	7.789	56	2522	1.166	ug/l	# 40
36) 1,1-Dichloropropene	7.789	75	9448	3.918	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	14880	4.597	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	52682	41.077	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	52682	92.632	ug/l	# 12

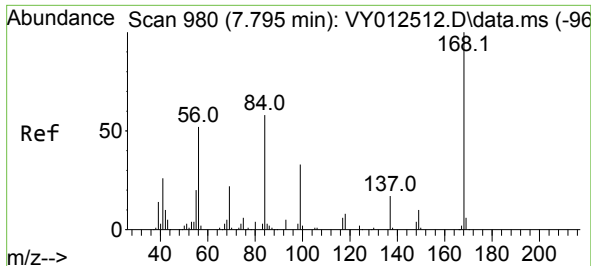
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
Data File : VY012585.D
Acq On : 14 Feb 2023 13:47
Operator : KP/MD
Sample : 01539-16
Misc : 2.38g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

Quant Time: Feb 15 01:27:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration

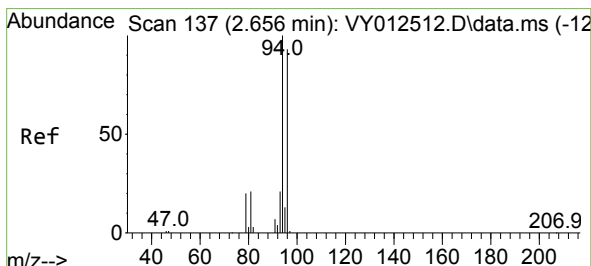
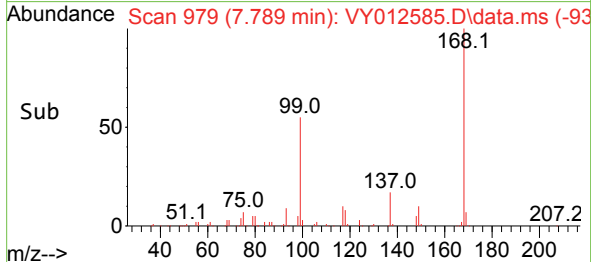
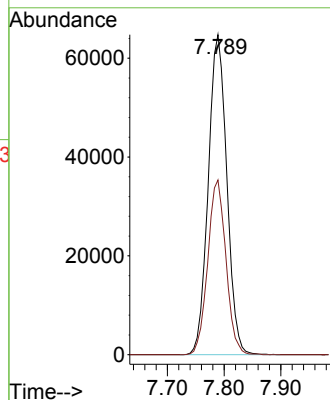
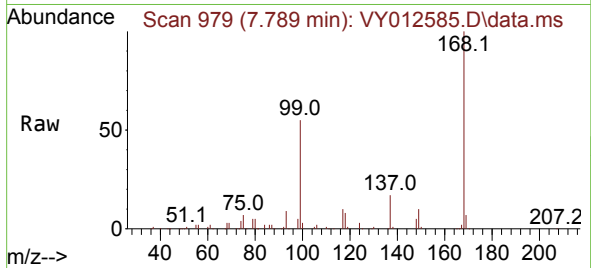




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

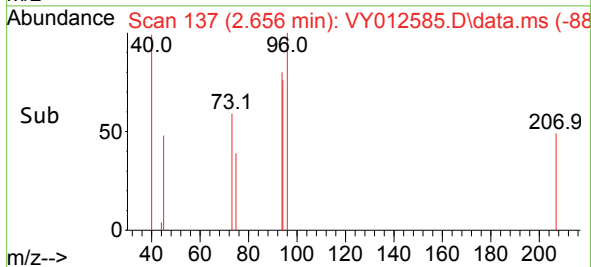
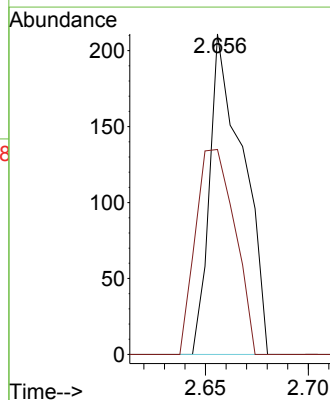
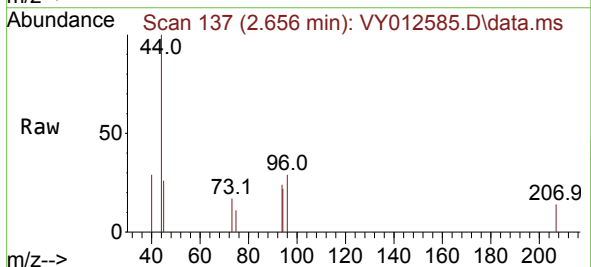
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

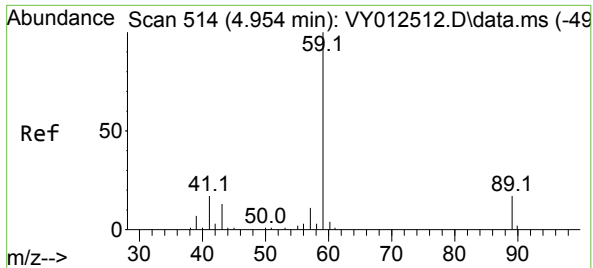
Tgt Ion:168 Resp: 147163
Ion Ratio Lower Upper
168 100
99 54.6 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 94 Resp: 239
Ion Ratio Lower Upper
94 100
96 64.0 74.7 112.1#

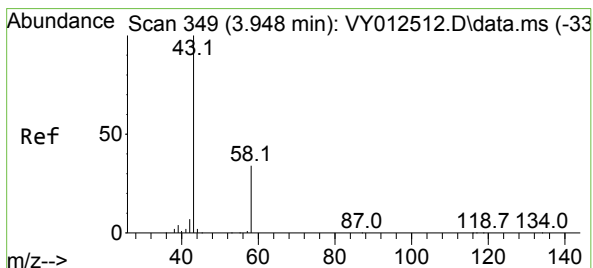
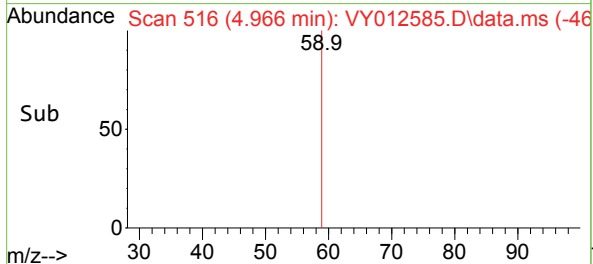
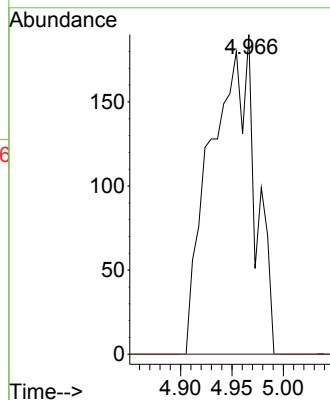
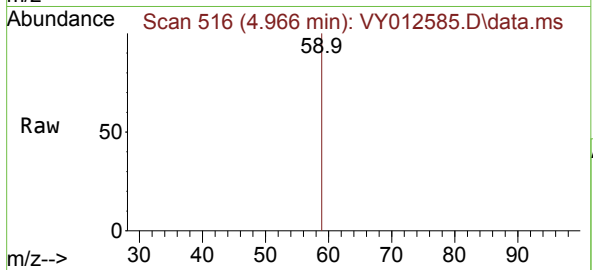




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

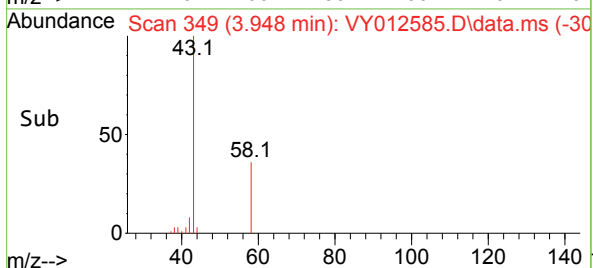
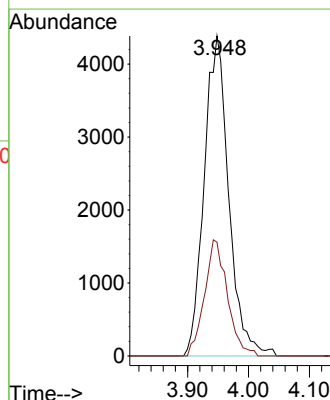
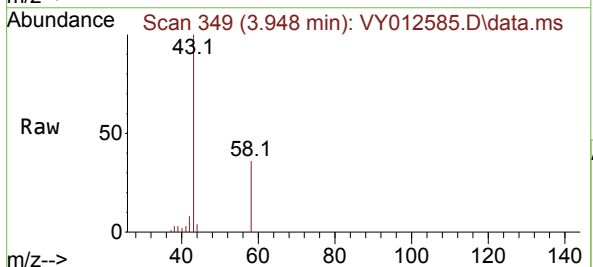
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

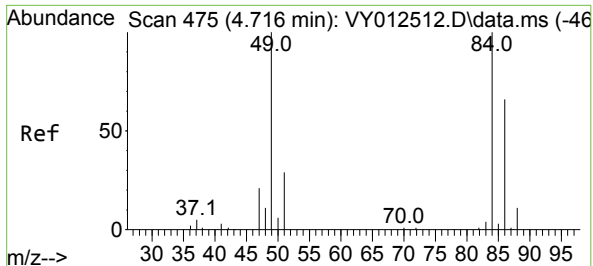
Tgt Ion: 59 Resp: 562
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 27.262 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 43 Resp: 12279
Ion Ratio Lower Upper
43 100
58 35.6 27.1 40.7



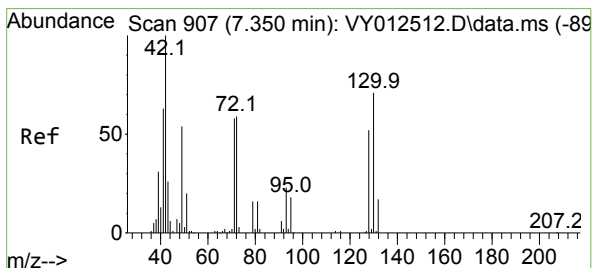
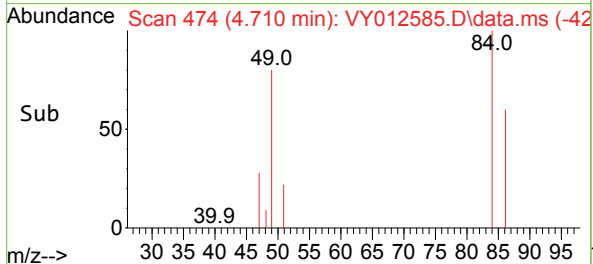
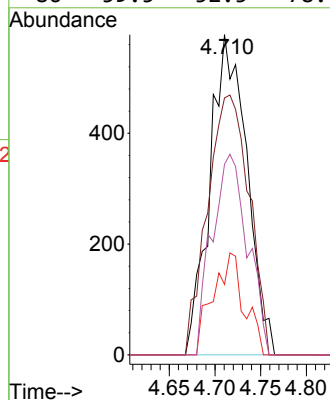
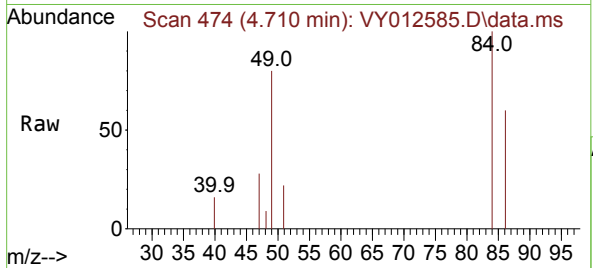


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

Tgt Ion: 84 Resp: 1622

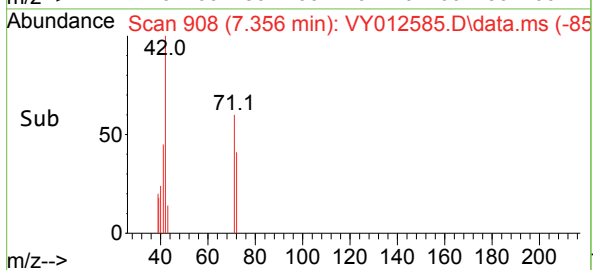
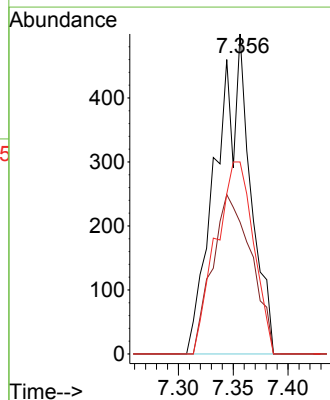
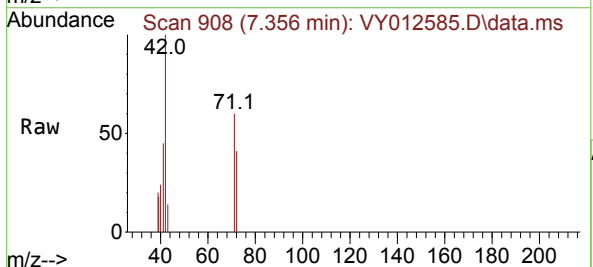
Ion	Ratio	Lower	Upper
84	100		
49	80.3	79.8	119.6
51	22.0	23.4	35.2#
86	59.5	52.5	78.7

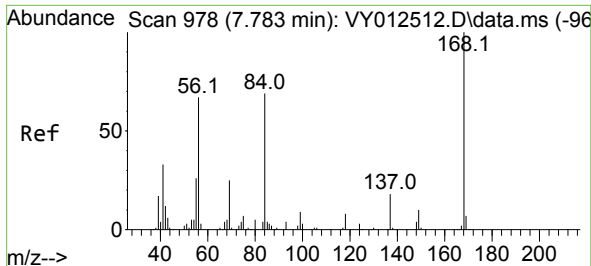


#29
Tetrahydrofuran
Concen: 4.012 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 42 Resp: 1084

Ion	Ratio	Lower	Upper
42	100		
72	56.7	47.0	70.6
71	66.2	44.6	66.8

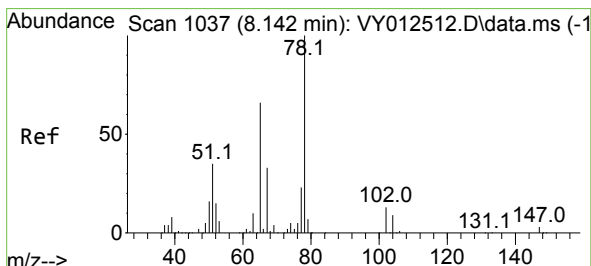
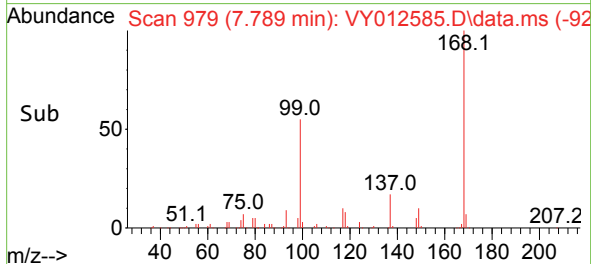
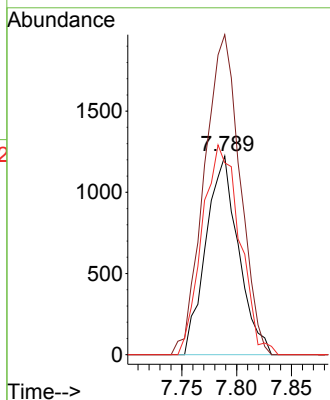
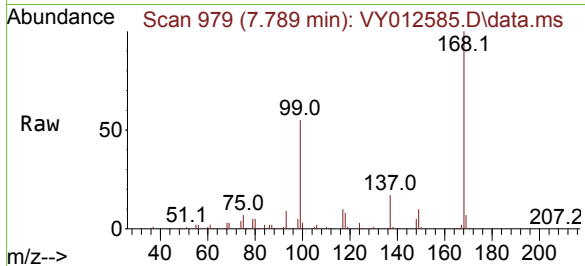




#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

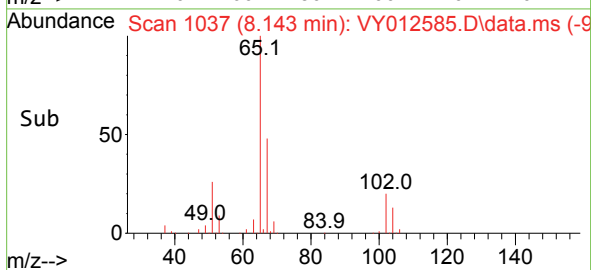
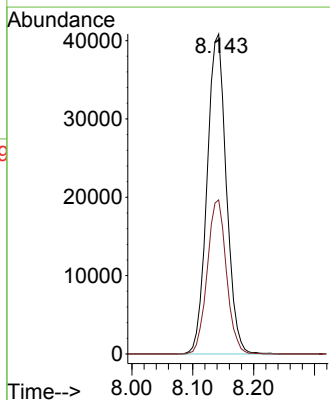
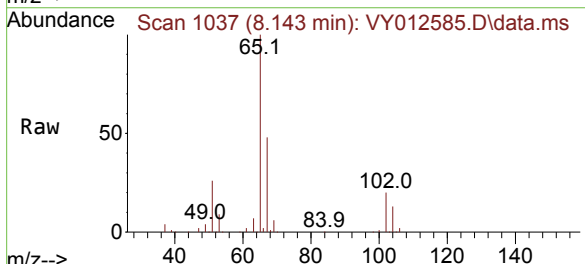
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

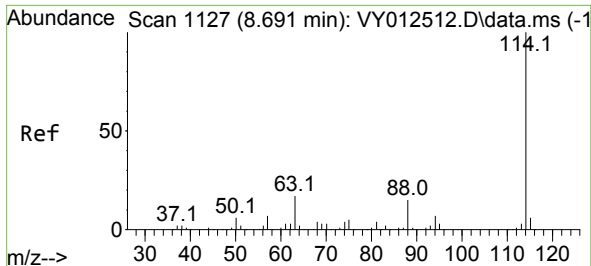
Tgt Ion: 56 Resp: 2522
Ion Ratio Lower Upper
56 100
69 161.2 29.5 44.3#
84 96.6 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 47.845 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 65 Resp: 89535
Ion Ratio Lower Upper
65 100
67 48.0 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012585.D

Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-64

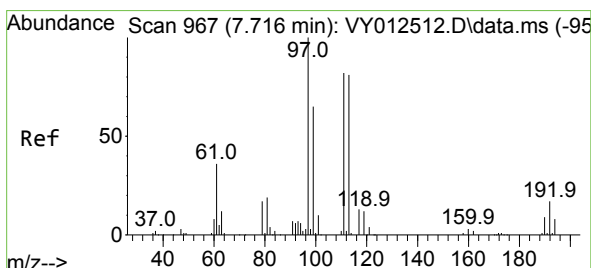
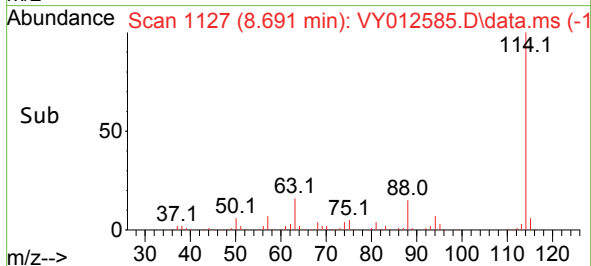
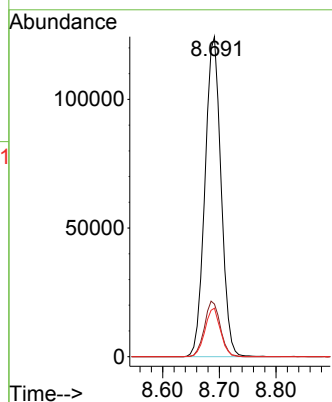
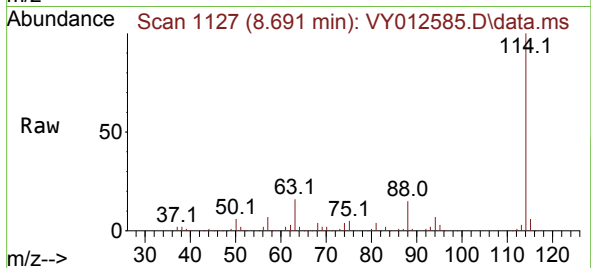
Tgt Ion:114 Resp: 244646

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.571 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012585.D

Acq: 14 Feb 2023 13:47

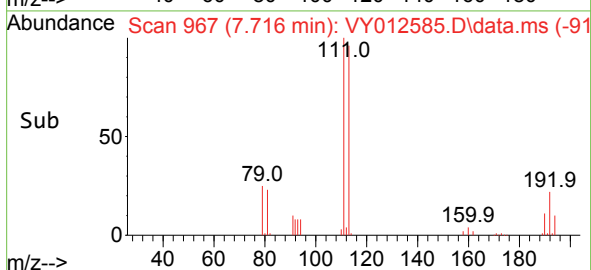
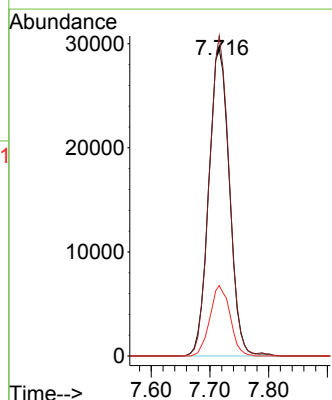
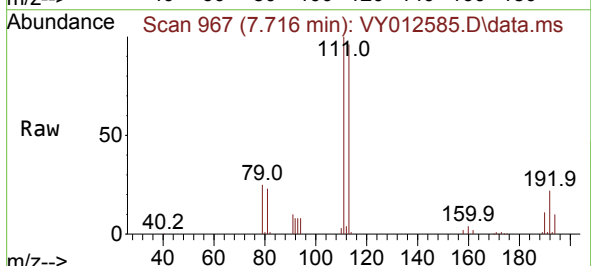
Tgt Ion:113 Resp: 72283

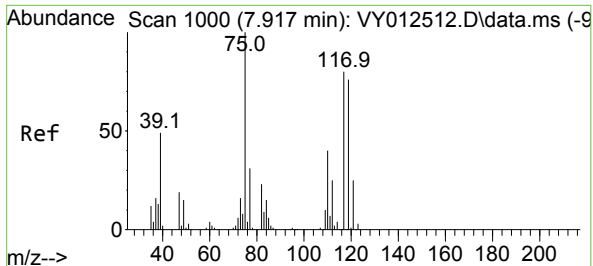
Ion Ratio Lower Upper

113 100

111 100.3 81.9 122.9

192 22.3 17.5 26.3





#36

1,1-Dichloropropene

Concen: 3.918 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012585.D

Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-64

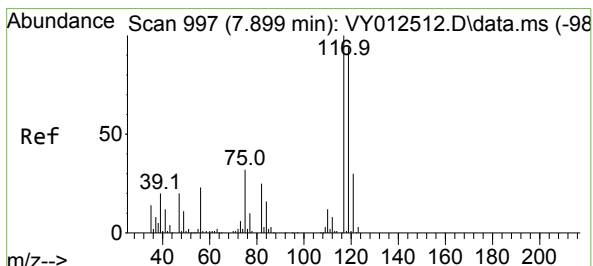
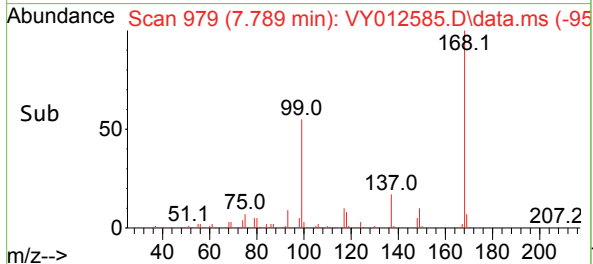
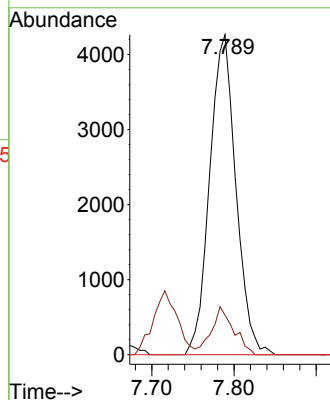
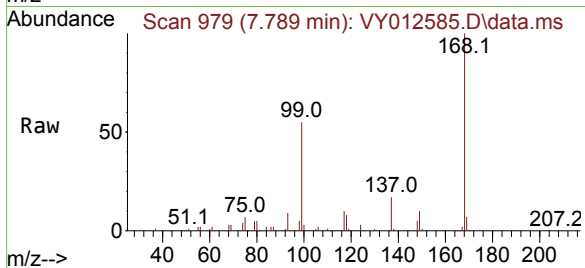
Tgt Ion: 75 Resp: 9448

Ion Ratio Lower Upper

75 100

110 12.8 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.597 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012585.D

Acq: 14 Feb 2023 13:47

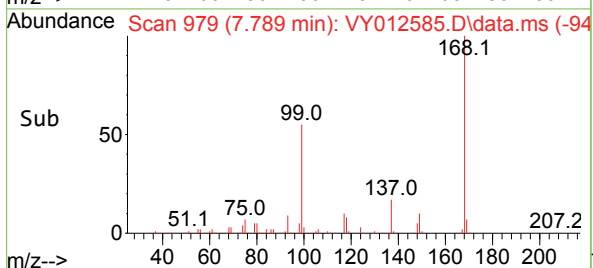
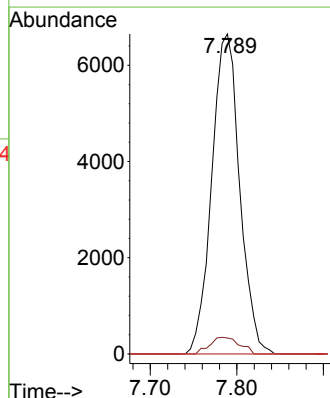
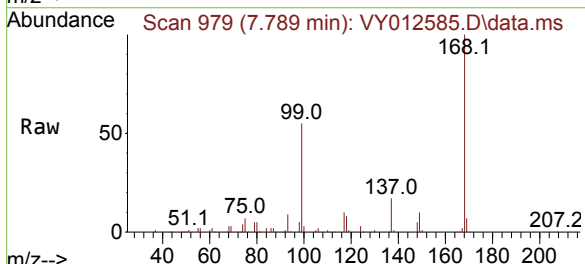
Tgt Ion: 117 Resp: 14880

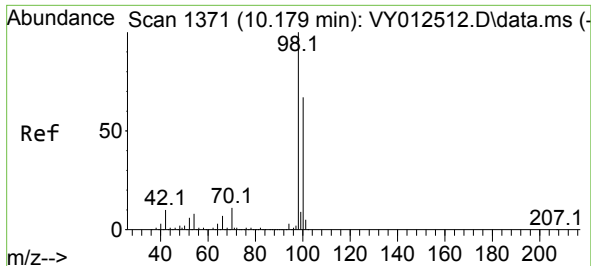
Ion Ratio Lower Upper

117 100

119 5.0 75.1 112.7#

121 0.0 24.3 36.5#

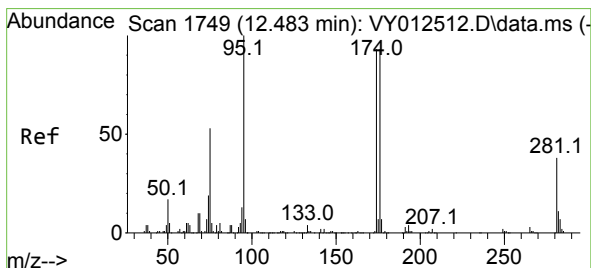
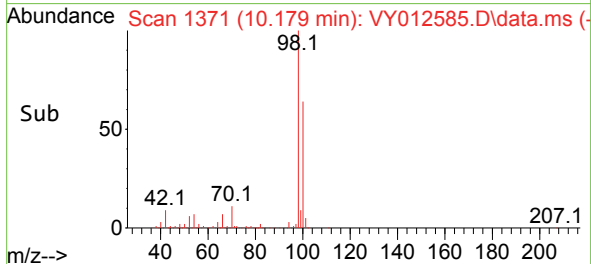
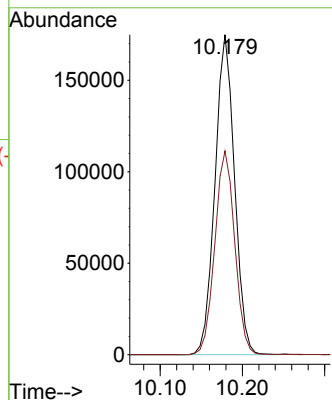
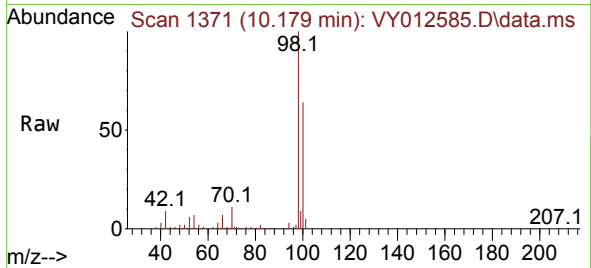




#50
Toluene-d8
Concen: 39.020 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

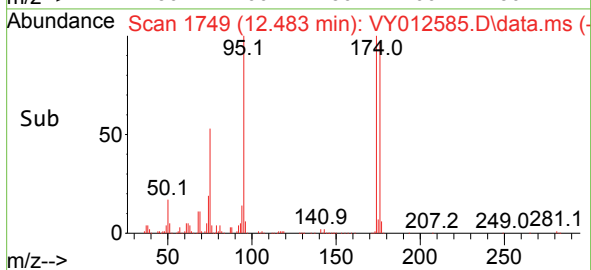
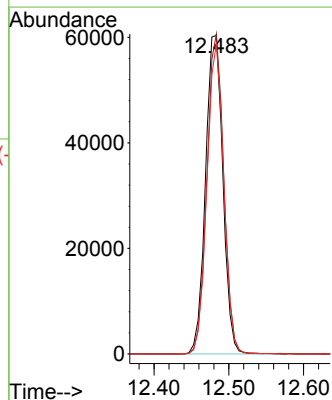
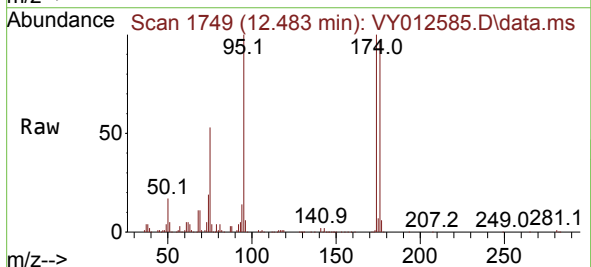
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

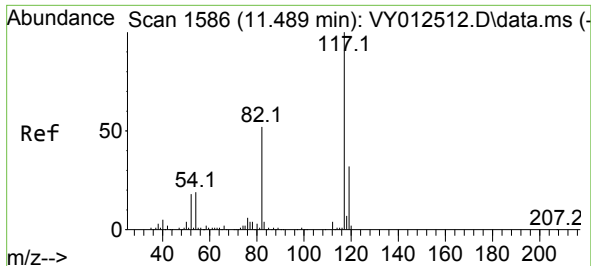
Tgt Ion: 98 Resp: 289365
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.617 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 95 Resp: 97301
Ion Ratio Lower Upper
95 100
174 97.8 0.0 188.0
176 94.2 0.0 183.6

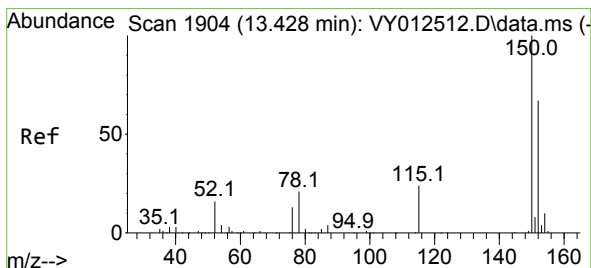
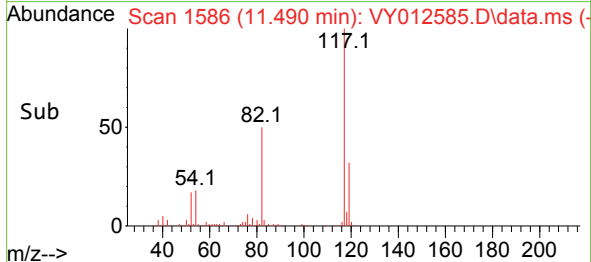
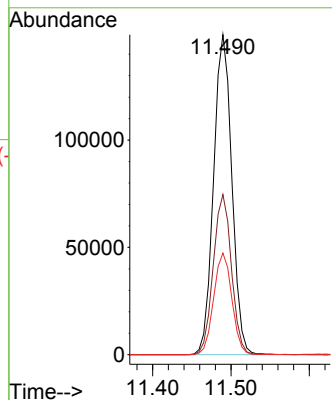
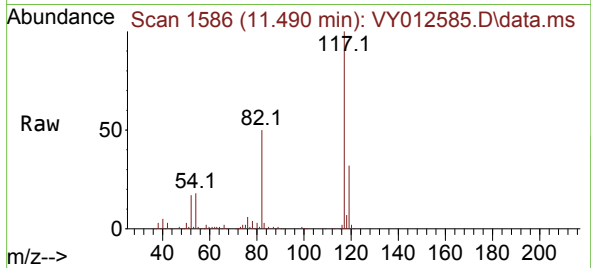




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

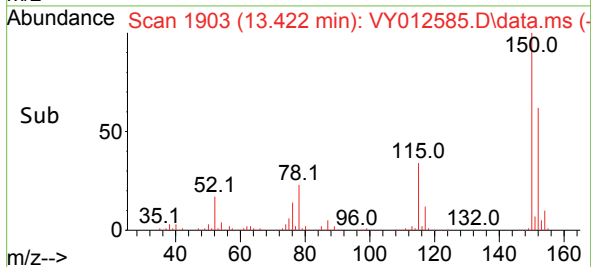
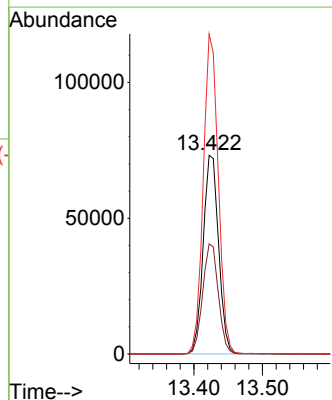
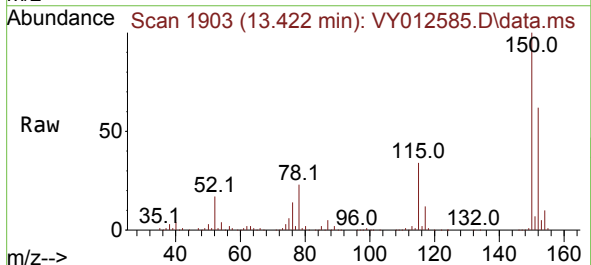
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

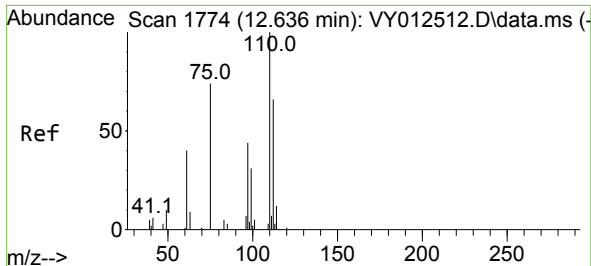
Tgt Ion:117 Resp: 241225
Ion Ratio Lower Upper
117 100
82 50.0 41.7 62.5
119 31.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion:152 Resp: 114793
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.3
150 156.7 0.0 351.0

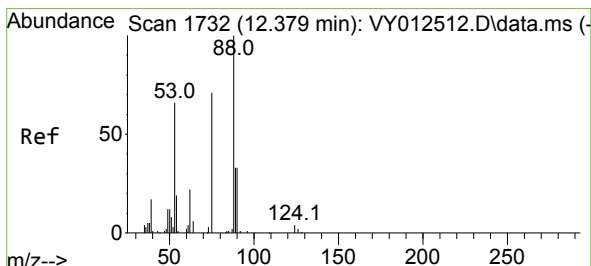
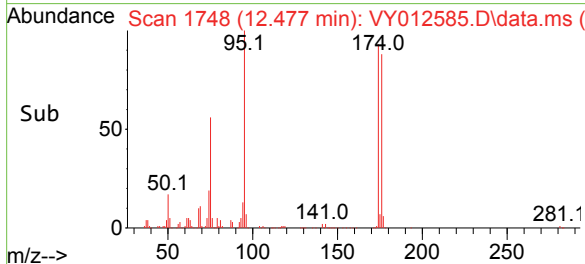
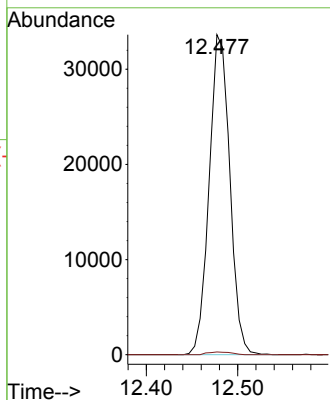
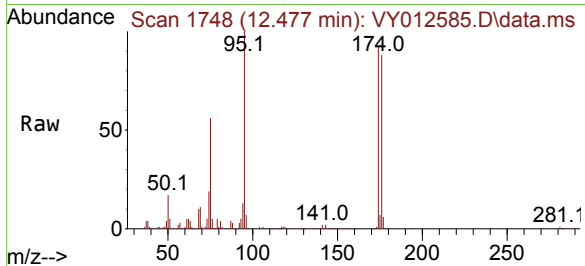




#76
1,2,3-Trichloropropane
Concen: 41.077 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-64

Tgt Ion: 75 Resp: 52682
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.632 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012585.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 75 Resp: 52682
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

